Continuous inkjet Inks

V4284-E

Description

V4284 is a black opaque ink qualified for use in the Videojet 1580 C and 1880 C pigmented continuous inkjet (CIJ) printers. This ink is chemically identical and functionally equivalent to Videojet 16-2000 and V484 black CIJ inks. These inks have been approved and listed within a variety of aerospace part marking specifications and used by many suppliers and manufacturers in this industry.

Primary Benefits

- Qualified to run in 1580 C printer
- Same lightfastness as 16-2000 / V484
- Same adhesion properties of 16-2000 / V484
- Same chemical composition as 16-2000 / V484
- Same clear overcoat resistance as 16-2000 / V484
- Caustic removable

Primary Applications

V4284 ink is ideal for opacity, light fastness, and IR readability, with good adhesion and where an MEK-free ink is needed. This ink is also suitable for other general purpose substrates including metal, paper, wood, ceramic, and glass.

Adhesion

	Average	Good	Excellent
Plastic	✓		
Metal		✓	
Glass		✓	

Dry Time (seconds), < 1 sec w/60-mic

0 1 2 3 4 5 — ✓ at 5

Dry Heat Resistance (10 min max)

	100	200	300	400
°C				✓
°F	212	392	572	752

Light Resistance

Days	Weeks	Months
		✓

Chemical Resistance

Water	Alcohol	Oil	Aromatic	Ketone
✓	✓	✓	✓	

V4284-E

Continuous inkjet Inks

Specifications

Product	Product Type	Color	Solvent Type	Container Size	Shelf life
V4284-E	Ink	Black	Methanol/Water	700 ml (-E)	18 months*
V7224-D	Make-up	Colorless to pale yellow	Methanol/Water	750 ml (-D)	24 months*
V911-Q	Cleaner	Colorless to pale yellow	Methanol/Water	1 liter (-Q)	30 months*

Storage *Store between 2°C and 35°C (35°F and 95°F).

Printer Parameters

Qualified Models	Operating Temperature	Operating Humidity	Nozzle Compatibility
1580 C, 1880 C	15-45°C (59-113°F)	10-90%	60µm, 70µm

Compliance

iQMark™: V4284 ink was responsibly designed and manufactured to maximize contrast, adhesion, and uptime while meeting safety, environmental, and regulatory requirements. Every batch is tested to ensure it meets strict quality control specifications. V4284 ink does not contain acetone, phthalates, polycyclic aromatic hydrocarbons, mineral oil, organotin compounds, halogenated hydrocarbons, photoinitiations, bisphenol A (BPA), major allergens, animal based raw materials, nor organisms, genetically modified or not. For information, refer to Knowledge Articles 15065, 14647, and 14634.**

Food Packaging: V4284 ink may be used on the non-food contact side of food packaging. The packaging must provide a barrier between the ink and the food. When used in this manner, the ink is in compliance per 21 CFR 170.3(e)(1), Regulation (EC) No. 10/2011, and Regulation (EC) No. 2023/2006. For information, refer to Knowledge Articles 14389 and 17977.**

Product Packaging: V4284 ink, make-up, and cleaners are shipped in sustainably forested cardboard boxes. Ink and make-up cartridge components and cleaner bottles are recyclable. For information, refer to Knowledge Article 14286.**

Heavy Metals: V4284 ink meets the requirements of CONEG model legislation including 94/62/EC. For information, refer to Knowledge Article 14629.**

RoHS: V4284 ink meets the requirements of the RoHS 2 Directive 2011/65/EU and Directive (EU) 2015/863. For information, refer to Knowledge Article 14656.**

REACH: V4284 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For information, refer to Knowledge Article 14655.**

Halogens: V4284 ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For information, refer to Knowledge Article 14375.**

**Environmental, Health, Safety, and Regulatory information can change without notice, consult the current Safety Data Sheet (SDS) which is available in multiple languages and country formats on the Videojet website. Knowledge Articles are available by calling or emailing Videojet.

Call 800-843-3610
Email info@videojet.com
Or visit www.videojet.com

Videojet Technologies Inc.
1500 Mittel Blvd. Wood Dale IL
60191 / USA

©2026 Videojet Technologies Inc. — All rights reserved. Videojet Technologies Inc.'s policy is one of continued product improvement. We reserve the right to alter design and/or specifications without notice.